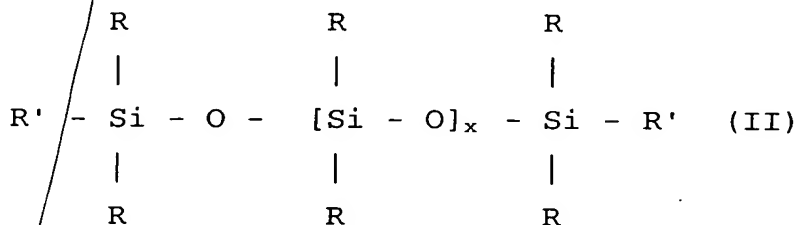


CLAIMS

1.
#1

1. A coating composition for textile fabrics, which is curable to an elastomeric finish, which composition comprises (a) a first organopolysiloxane material having only terminal silicon-bonded aliphatically unsaturated hydrocarbon groups per molecule and a viscosity at 25°C of from 50 to 650 mm²/s; (b) a second organopolysiloxane material having only terminal silicon-bonded aliphatically unsaturated hydrocarbon groups per molecule and a viscosity at 25°C of at least 10,000 mm²/s; (c) a third organopolysiloxane material having has aliphatically unsaturated hydrocarbon substituents at terminal siloxane units and on units in the polymer chain per molecule; (d) an organosilicon crosslinker having at least 3 silicon-bonded hydrogen atoms, (e) a catalyst able to promote the reaction of the aliphatically unsaturated hydrocarbon or hydrocarbonoxy substituents with Si-H groups and (f) a reinforcing filler.

2. A coating composition according to Claim 1, wherein the first and second organosiloxane polymers are of a generally linear nature having the general structure (II)



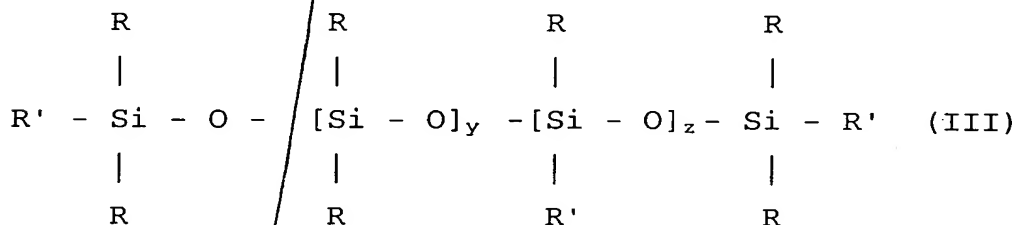
wherein R is a monovalent hydrocarbon group having up to 18 carbon atoms and R' is a monovalent hydrocarbon or hydrocarbonoxy group having aliphatic unsaturation and wherein x is an integer with a value of up to 200

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for the first organopolysiloxane (a) and having a value of at least 300 for the second organopolysiloxane (b).

3. A coating composition according to Claim 2, wherein the first organopolysiloxane is an α,ω -vinyl dimethylsiloxypolydimethylsiloxane polymer having a viscosity of from 50 to 650 mm²/s at 25°C, and wherein the second organopolysiloxane is an α,ω -vinyl dimethylsiloxypolydimethylsiloxane polymer having a viscosity of from 10,000 to 90,000 mm²/s at 25°C.

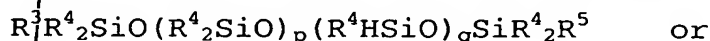
4. A coating composition according to Claim 1, wherein the third organosiloxane polymer is of a generally linear nature having the general structure (III)

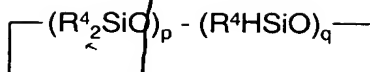


wherein R and R' have the same meaning as above, and wherein y is zero or an integer and z has a value of at least 1, while the value of y+z is no more than 300.

5. A coating composition according to Claim 1, wherein the first and second organopolysiloxane are present in a weight ratio of (a) to (b) of from 1 to 2 to 1 to 20 and the second and third organopolysiloxanes are present in a weight ratio of (b) to (c) of from 20 to 1 to 2 to 1.

6. A coating composition according to Claim 1, wherein the organosilicon cross-linker has the general formula





wherein R^4 denotes an alkyl or aryl group having up to 10 carbon atoms, R^3 is a group R^4 or a hydrogen atom, p has a value of from 0 to 20, q has a value of from 1 to 70, and there are at least 3 silicon-bonded hydrogen atoms present per molecule.

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7. A coating composition according to Claim 1, wherein the catalyst is based on a Group VIII metal selected from ruthenium, rhodium, palladium, osmium, iridium and platinum.
 8. A coating composition according to Claim 7, wherein the catalyst is selected from chloroplatinic acid, platinum acetylacetonate and complexes of platinous halides with unsaturated compounds.
 9. A coating composition according to Claim 1, wherein the reinforcing filler is selected from silica, titania and glass microspheres.
 10. A coating composition according to Claim 1, comprising
(a) 100 parts by weight of a first organopolysiloxane material having only terminal silicon-bonded aliphatically unsaturated hydrocarbon groups per molecule and a viscosity at 25°C of from 50 to 650 mm²/s; (b) from 300 to 700 parts by weight of a second organopolysiloxane material having only terminal silicon-bonded aliphatically unsaturated hydrocarbon groups per molecule and a viscosity at 25°C of at least 10,000 mm²/s; (c) from 50 to 150 parts by weight of a third organopolysiloxane material having has aliphatically unsaturated hydrocarbon substituents at

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terminal siloxane units and on units in the polymer chain per molecule; (d) an organosilicon compound having at least three silicon-bonded hydrogen atoms per molecule, in an amount which is sufficient to give a molar ratio of Si-H groups in (d) to alkenyl groups in (a), (b) and (c) combined of from 5/1 to 10/1; (e) a group VIII based catalyst component in sufficient amounts to catalyse the addition reaction between (a), (b) and (c) on the one hand and (d) on the other; (e) from 100 to 400 parts by weight of a hydrophobic filler.

11. A coated fabric comprising a textile fabric coated with an elastomer-forming composition according to Claim 1 cured to an elastomeric layer.
12. A coated fabric according to Claim 11 wherein the elastomeric layer has an elongation of above 400% and a tear strength of over 30 kN/m.
13. A process for making a coated fabric, which comprises coating a textile fabric with a layer of an elastomer-forming coating composition according to Claim 1 and causing the layer to cure to form an elastomeric coating on the fabric.
14. A process according to Claim 13, wherein the composition is applied to a coat-weight prior to curing of at least 25 g/m².
15. A process according to Claim 13, wherein the composition is cured at a temperature of from 120 to 200°C for a period of up to 5 minutes.